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(71) Applicant (for all designated States except US): RESEARCH FOUNDATION OF THE STATE UNIVERSITY OF NEW YORK [US/US]; N5002 Melville Library, Stony Brook, NY 11794 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): GORFINKEL, Vera [RU/US]; 29 Sycamore Circle, Stony Brook, NY 11790 (US). KABOTYANSKI, Evgeni, A. [RU/US]; 342 East Broadway, Port Jefferson, NY 11777 (US).

(74) Agents: LEKUTIS, Christine, A. et al.; Medlen & Carroll, LLP, 380 Lexington Avenue, Suite 1700, New York, NY 10168 (US).

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(54) Title: METHOD AND DEVICE FOR MANIPULATING LIQUIDS IN MICROFLUIDIC SYSTEMS

(57) Abstract: The present invention relates to microfluidic systems having components with specially designed and fabricated areas of enhanced and/or reduced capillarity (flow guides). The methods and devices of the present invention permit the bubble-less dispensing and mixing of small volumes of different liquids for subsequent incubation and/or detection of products of various biological reactions. Thus present invention is well-suited to applications such as polymerase chain reaction and capillary electrophoresis.